

March 16, 2018



CAS-2500

CAS Windows Data Client

PRODUCT DESCRIPTION

Chipkin™ Windows Data Client is a Windows application that can connect to Modbus® RTU/TCP devices, BACnet® IP devices, or 1-Wire® Sensors, and reads and stores the data. The data client operates by reading data from the configured data points and stores the values in an internal database. These values can then be logged to an archive file or can be accessed via the data clients REST API as XML, JSON, or CSV data using HTTP Get requests. Log files can be accessed by a Web Browser or from the File System.

The application requires minimal configuration and can be considered a 'plug and play' component of any network system. It's ready to operate 'out of the box' and can be installed without an engineer's approval.



Note: All data clients sold by Chipkin report operating stats and issues to web pages and maintain logs that can be uploaded by HTTP or viewed in the File System.

MINIMUM REQUIREMENTS

The following are the minimum requirements for a Windows computer to run the CAS Modbus® RTU Windows Data Client.

- Operating System: Windows 7, Windows 10
- >= 10 mb disk space
- >= 512 mb ram
- Ethernet network adapter



Note: If RS232 or RS485 serial connection is needed, then an adapter will be required. Chipkin Automation systems suggests [ACON U-01](#).

MAXIMUM NODES SUPPORTED

This table summarizes the number of panels supported for each protocol node.

GATEWAY NODE	NODES	COMMENTS
Client	*	The data client can connect to multiple Modbus, BACnet, or 1-Wire devices. The data client can read and log up to 10,000 data points.
Server	0	Not supported or documented

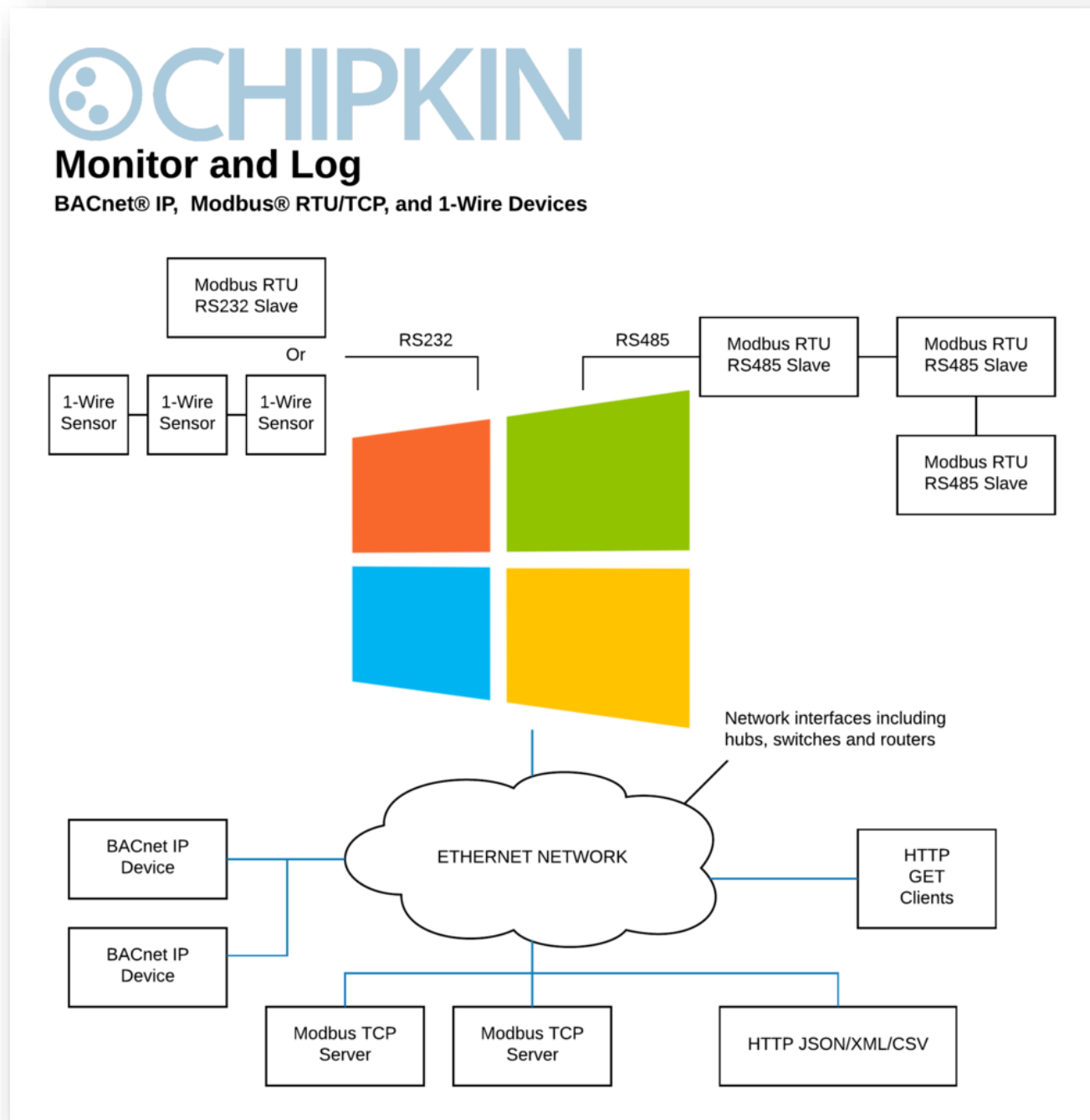
PRODUCT NUMBERS

The following is a list of Product Numbers available in the Chipkin™ Windows Data Client software line.

PRODUCT CODE	DESCRIPTION
CAS2500-01	Modbus® RTU Windows Data Client / Data Logger
CAS2500-02	Modbus® TCP Windows Data Client / Data Logger
CAS2500-03	Modbus® Windows Data Client / Data Logger
CAS2500-04	BACnet® IP Windows Data Client / Data Logger
CAS2500-26	1-Wire® Windows Data Client / Data Logger

CONNECTION CONFIGURATIONS

This block diagram lists common network connections that can monitor log data from Modbus RTU devices.



CONFIGURATION

Configuration of the Chipkin™ Windows Data Client is handled via the webpages of the device. For more information on the configuration of the device, please refer to the individual product manuals

CUSTOMER SUPPORT

The Chipkin™ Windows Data Clients are developed by Chipkin, and we are proud to provide support for our products. For technical support, sales and customer service, please call us at 1 (866) 383-1657.

REVISION HISTORY

This table summarizes the update history for this gateway data sheet. Please contact Chipkin by phone or email for an updated version of this document.

DATE	RESP.	DRIVER VERIFIED	DOCUMENT REVISION	COMMENTS
13 Mar 2018	ACF	0.19	00	Updated.

APPENDIX A: SUPPORTED MODBUS FUNCTIONS

This table describes the Modbus® functions that are used by the Chipkin™ Windows Data Client products CAS2500-01, CAS2500-02 and CAS2500-03

MODBUS FUNCTION	DESCRIPTION
0x01	Read Coil Status
0x02	Read Input Status
0x03	Read Holding Registers
0x04	Read Input Registers
0x05	Force Single Coil
0x06	Preset Single Register
0x0F	Force Multiple Coils
0x10	Force Multiple Registers

APPENDIX B: SUPPORTED BACNET SERVICES

This table describes the BACnet® services that are used by the the Chipkin™ Windows Data Client product CAS2500-04

BACNET SERVICE
Read Property
Read Property Multiple
Write Property
Write Property Multiple

APPENDIX C: 1-WIRE TESTED DEVICES

This table summarizes the 1-Wire devices that have been tested. Other devices may be supported

DEVICE	TESTED (FACTORY/SITE)
DS18B20	Factory, Site

Thanks for choosing Chipkin's protocol gateways, data clients and integration services to meet your building and industrial automation requirements!

Chipkin™ is a building and industrial automation protocol expert. We develop, configure, install and support gateways (protocol converters), data loggers and remote monitor and controlling applications. Founded in October 2000, Chipkin provides expert solutions for converting BACnet®, Modbus®, and Lonworks®—to name just a few—and enabling interfaces for HVAC, fire, siren, intercom, lighting, transportation and fuel systems. The high-quality products we offer (including those from other vendors) interface with Simplex™, Notifier™, McQuay™, GE™ and many others—so you can rest assured that we will select the most appropriate solution for your application.

With Chipkin you are buying a solution. Our configuration expertise in this field combined with free BACnet and other tools ensure your success; and our customer support via phone, email and remote desktop tools means that we're there when you need us. Chipkin is a small responsive company, and we live or die by the quality of our service—and with offices in two time zones—we can provide support when you need it. Give us a call now!

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